

iZiggiHD

Wireless Document Camera

User Manual

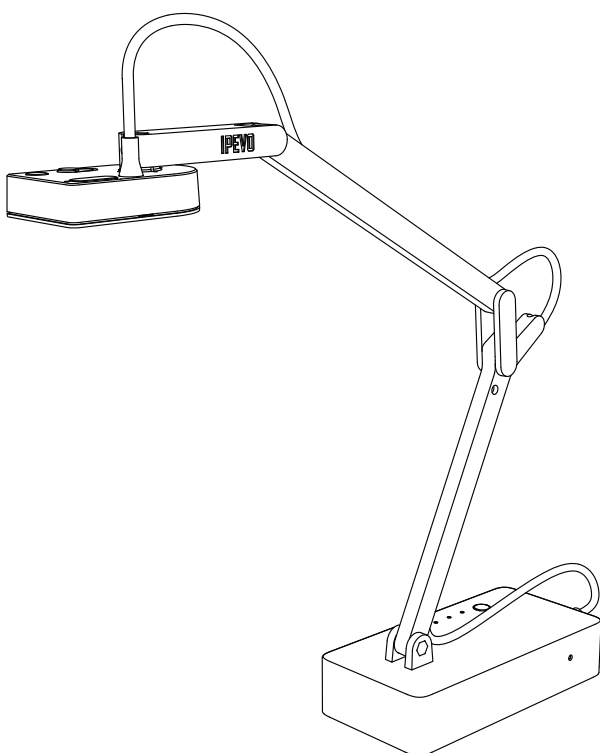
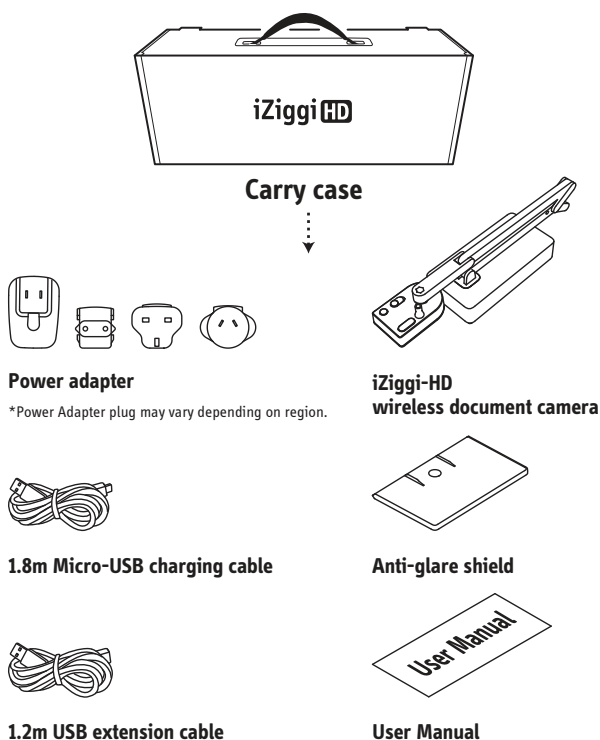


Table of Contents

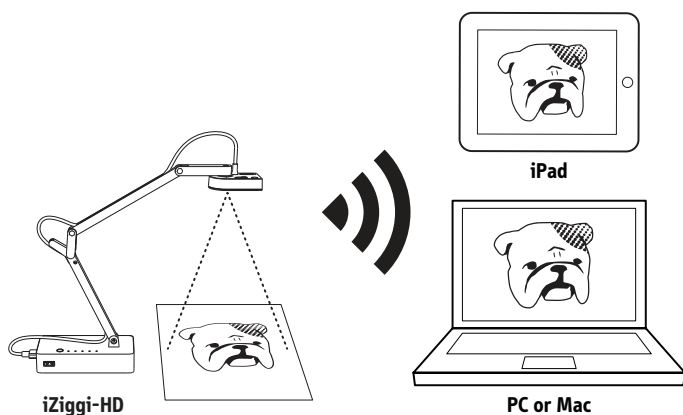
Package Contents.....	1
Basics.....	1
Getting to know your iZiggi-HD.....	2
Setting up your iZiggi-HD	4
Using iZiggi-HD with IPEVO software	6
Accessing iZiggi-HD's Settings	8
Connecting to the Internet with iZiggi-HD	9
Save images on Whiteboard App to your USB Drive	10
Using iZiggi-HD for Data Sharing.....	11
Setting up password protection for iZiggi-HD Live View and WiFi..	11
Customizing Login Information.....	12
Understanding the LED indicators	12
Using iZiggi-HD Directly on Your Computer	13
Using Apple TV Airplay	13
FAQ	14
Troubleshooting.....	15

Package Contents



Basics

The iZiggi-HD Wireless Document Camera captures live images with wireless convenience so you can do even more in the classroom or at the office:

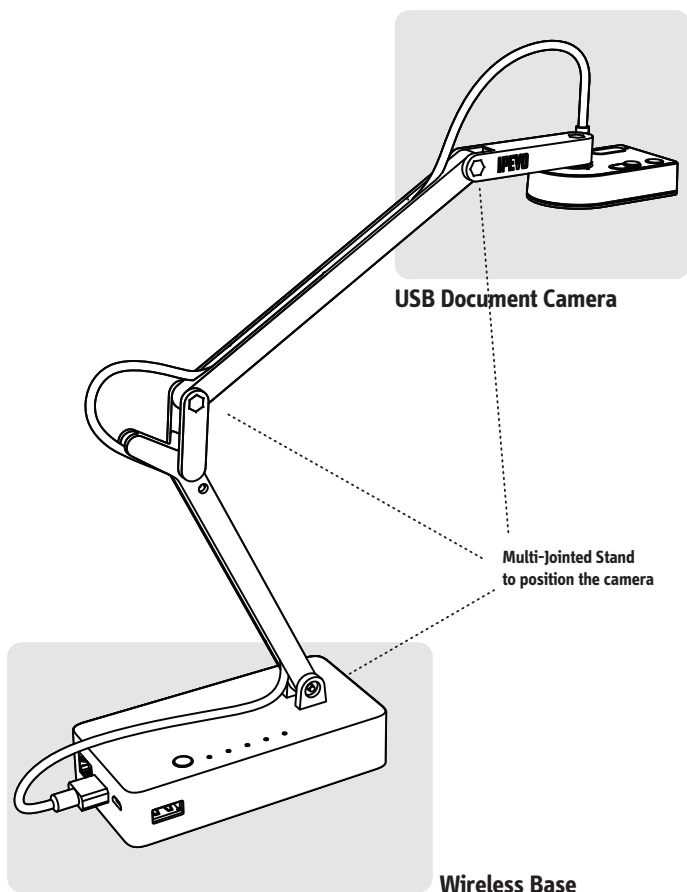


- A Wireless Document Camera for iPad.
- Stream documents, pictures, devices and 3D objects from iZiggi-HD to PC or Mac via Wi-Fi. A wireless Document Camera that no longer tied up to your PC or Mac.*
- Annotate and emphasize teaching material on iPad by drawing directly on the live feed with the free IPEVO Whiteboard app.
- Take advantage of iZiggi-HD's dual USB ports. Stream live images from the doc cam while sharing access to files on any connected USB storage device.

**Please note:*

In order to generate smooth live feed from iZiggi-HD, please preserve sufficient bandwidth and system resource for iZiggi-HD. We recommend that iZiggi-HD be used with only one device at a time. Connecting multiple devices may overload the bandwidth and system, causing the live image to lag or freeze.

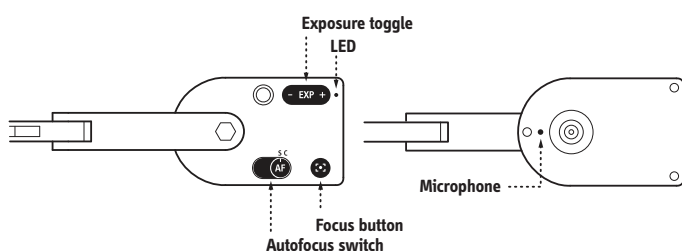
Getting to know your iZiggi-HD



iZiggi-HD is made of two parts - USB Document Camera and Wireless Base. iZiggi-HD captures a variety of subjects, including standard letter-sized documents, devices like smartphones and iPad. Captured high-definition live video image is then streamed on to IPEVO Whiteboard or Presenter software via Wi-Fi connection.

A. USB Document Camera

Camera Elements



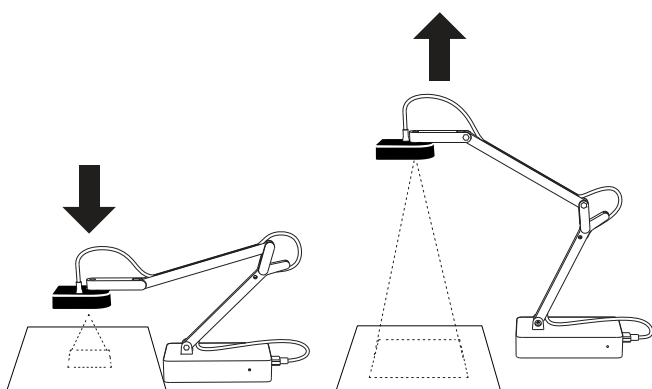
- **Focus button:** will bring the subject into sharp focus after a few seconds.
- **Autofocus switch:** may be set to Single (S) or Continuous (C).
- **Exposure toggle:** provides on-the-fly exposure customization.
- **LED:** if iZiggi-HD is on and providing an image, this LED will turn white.
- **Microphone:** iZiggi-HD comes with a built-in microphone which is located on the underside of the camera body next to the lens. The microphone is on when iZiggi-HD is on. This is useful for video conferencing and more.

Notice:

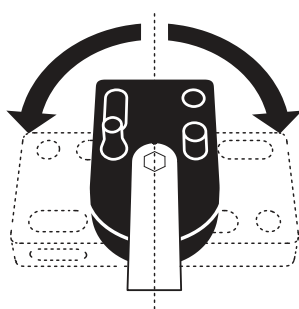
iZiggi-HD's built-in microphone is only functional when connected to computer via USB. When using iZiggi-HD wirelessly, only video is transmitted, but not audio.

Positioning the iZiggi-HD

The multi-jointed, weighted stand allows to quickly and easily change the height and position of the camera to suit your subject.

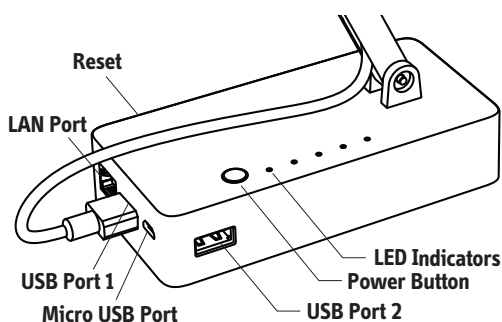


Additionally, the camera head can swivel with 270° of freedom to customize your orientation.



B. Wireless Base

- **LED indicators:** Lights indicate various states pertaining to battery power, attached USB devices, and Internet connection. For more information, see Page 12.
- **Power button:** Press once to turn on iZiggi-HD. Another press will power off the device.
- **USB ports:** Two USB ports for the iZiggi-HD camera and for a USB storage drive, if desired.
Note: Connecting two USB drives is supported, but not two IPEVO USB document cameras.
- **LAN port:** Plug in an ethernet cable (not included) to connect to your existing Internet network.
Note: When connecting in this manner, please set iZiggi-HD's wireless connection to "Off (Ethernet Cable)" in the "Internet Connection" setting. See Page 9.
- **Reset button:** Press with a pin or paper clip to reset the device, including SSID and password.
- **Micro USB port:** Connect the Micro-USB cable to power iZiggi-HD and to charge the battery.

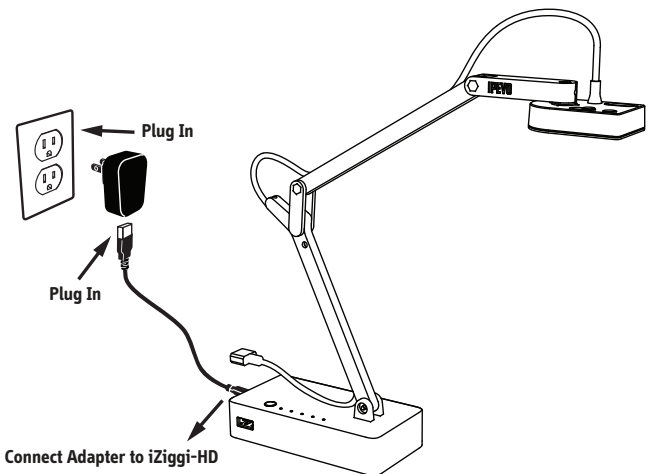


Setting up your iZiggi-HD

A. Charge iZiggi-HD

Please charge iZiggi-HD and make sure sufficient battery power is available before using the camera or performing other setup steps.

1. Connect the Micro-USB cable to the power adapter and plug the power adapter into an outlet. Connect the other end of the Micro-USB cable to the Micro-USB port on iZiggi-HD.
2. When iZiggi-HD is charging, the “PWR” LED will turn red. This light will go off once iZiggi-HD is fully charged by performing step 1. Note that iZiggi-HD is ready for use when power adapter is connected, regardless of the battery power status.



Battery Tips:

- It takes approximately 3 hours to fully recharge iZiggi-HD on an empty battery. This assumes iZiggi-HD is powered off during recharge.
- It will take significantly longer to fully recharge if iZiggi-HD is in use while charging.
- iZiggi-HD can be used on battery power for about 3 hours when fully charged.
- When the "PWR" LED blinks orange, iZiggi-HD is low on battery and needs to be charged.
- iZiggi-HD can also be charged using a standard USB port on your computer. Please note that it will take significantly longer to charge via this method, since a USB port provides less power output.

B. Download and install software

With free IPEVO software, iZiggi-HD can be used on iPad, PC or Mac. Please find the download location for your desired platform below:

iPad



Whiteboard



Search for “IPEVO Whiteboard” in the App store to download and install Whiteboard for free.

PC or Mac



Presenter

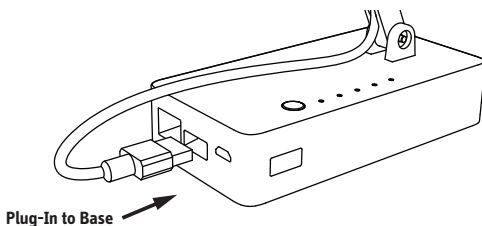


IPEVO Presenter can be downloaded at: www.ipevo.com/presenter

Setting up your iZiggi-HD(cont'd)

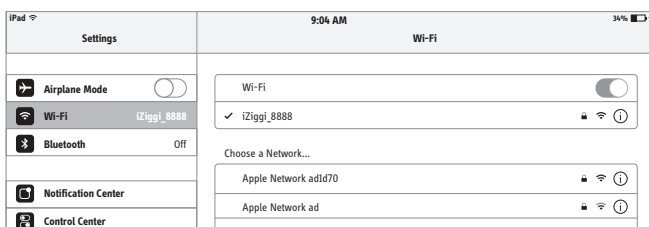
C. Turn on iZiggi-HD and connect the doc cam's USB cable

1. Press the power button to turn on iZiggi-HD. The “PWR” LED should be green. If it is blinking orange or red, see section A on Page 4. The “WIFI” LED should blink orange and then turn green as well.
2. Connect the iZiggi-HD camera's USB cable to the USB port on the base.

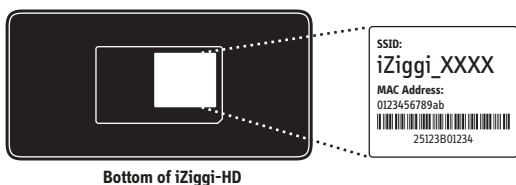


D. Pair iZiggi-HD via Wi-Fi and start streaming

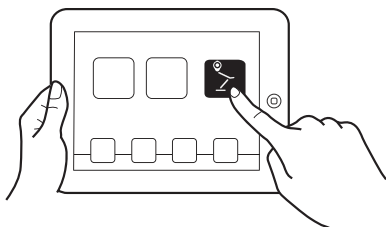
iPad (for Mac or PC, see Page 6)



1. Tap “Settings” on your iPad and select “Wi-Fi.” Browse the available connections and connect to iZiggi-HD's SSID. The unique SSID can be found on the label located on the bottom of the device.

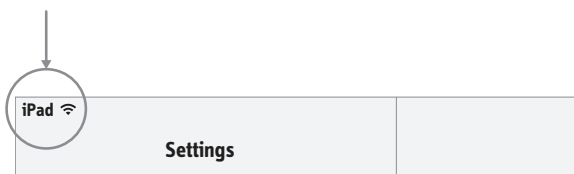


2. Launch IPEVO Whiteboard. Follow the onscreen guide that appears to access iZiggi-HD's features. These features are also explained on the next page.



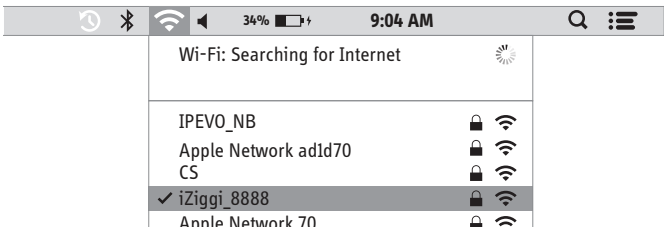
Caution:

On first time connection, it will take about 1 minute to link iPad and iZiggi-HD. Please make sure the  appears on the top left corner of iPad before launching IPEVO Whiteboard.

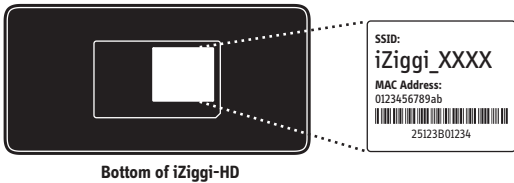


Setting up your iZiggi-HD(cont'd)

Mac or PC(for iPad, see Page 5)



1. Ensure IPEVO Presenter is installed. See Section B, Page 4.
2. Browse your available wireless networks and connect to iZiggi-HD's SSID. The unique SSID can be found on the label located on the bottom of the device.



3. Launch IPEVO Presenter and start using iZiggi-HD. For more function and setting of IPEVO Presenter, please refer to the next section.

Using iZiggi-HD with IPEVO software

iPad: Using iZiggi-HD with IPEVO Whiteboard

IPEVO Whiteboard plays live video stream from iZiggi-HD and enables drawing and annotation to be added on the Live View. Follow these steps to connect IPEVO Whiteboard and iZiggi-HD:

1. Launch IPEVO Whiteboard
2. If iPad is connected with iZiggi-HD's WiFi network, Live View should automatically appear on IPEVO Whiteboard. If not, please refer to sections C and D on page 5.



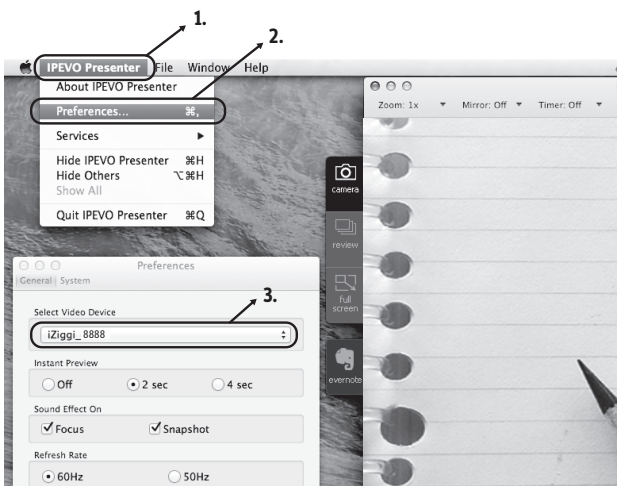
- **Live View:** View the live feed (real-time video) from your document camera. Tapping this icon brings up a network list. Tapping iZiggi-HD's SSID in this list will bring up the settings page for iZiggi-HD.
- **Resolution:** Tap to change the image resolution. Higher resolutions convey more image information at the possible cost of lower frame rate (frames per second).
- **Exposure:** Tap to increase or decrease exposure, i.e. how bright or dark the image is.
- **Focus:** Re-focus the camera. Tapping Focus will result in a sharp image after a few seconds.
- **Reload:** Refresh the live video feed.

Mac and PC: Using iZiggi-HD with IPEVO Presenter

iZiggi-HD can also be viewed on Mac or PC using IPEVO Presenter. Please download and launch IPEVO Presenter, follow these steps to switch to iZiggi-HD's Live View:

On Mac OS

1. Click on IPEVO Presenter on menu bar.
2. Click "Preferences"
3. Click "Select Video device" and select iZiggi-HD's SSID.



On Windows OS

1. Click the Wrench icon on top right of IPEVO Presenter.
2. Under "General" tab, check "Wireless Device"
3. Select iZiggi-HD from the drop down menu if not already selected.



Please note:

Only one iZiggi-HD or other IPEVO document camera can be used with IPEVO Presenter or Whiteboard at a time.

CAUTION: When viewing the live feed, please do not repeatedly plug and unplug the document camera's USB cable. This may cause iZiggi-HD to suffer a system error.

Accessing iZiggi-HD's Settings

Visiting the Settings page will allow you to view Live View using your browser, connect iZiggi-HD to the Internet, manage connected USB storage devices, customizing login information, setup password protection, and change advanced Internet settings. To do so, ensure your device is connected to iZiggi-HD, then perform the following steps. More details about settings options can be found on Pages 9 through 12.

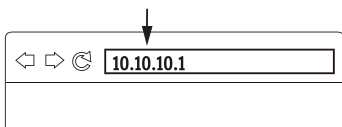
On iPad

Launch IPEVO Whiteboard. Tap the Wireless icon. Select the arrow icon in the extended menu that appears.



On Mac or PC

1. Launch your browser and connect to the IP address of iZiggi-HD by typing it into the address bar. The default for this IP address is 10.10.10.1.



2. Enter the login password, which by default is “admin”.

iZiggi-HD Wireless Document Camera

Stream live video wirelessly to iPad, Mac or PC

IPEVO

Start Live Video and Access Network Settings

Log in to view live video, change resolution or exposure, or to set up Internet connection and wireless security. You can also access your USB drive to read and manage files.

Account

Admin

Password

.....

Default Password : "admin"

Login

Forgot Password?

Get More Information

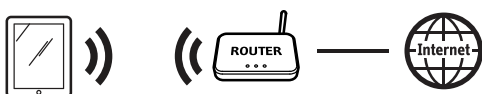
First time? Learn more about how to use this product.

More info

Connecting to the Internet with iZiggi-HD

Because your computer connects to iZiggi-HD via Wi-Fi, you are disconnected from the Internet when using iZiggi-HD. However, you can regain your Internet connection by connecting iZiggi-HD to your existing Wi-Fi network. Once iZiggi-HD is connected to the Internet, your iPad, PC or Mac (connected to iZiggi-HD) is also linked to the internet.

Generally, your iPad/Computer can access the internet via your Wi-Fi router.



With IPEVO iZiggi-HD, You can view the “Live View” from your iPad/Computer in the real time. Plus, you can connect to the Internet by linking iZiggi-HD to the Wi-Fi network you already use



Follow these simple steps to do so.

1. Please make sure your iPad, Mac or PC is connected to iZiggi-HD. To connect iZiggi-HD, please follow the steps starting on Page 5.
2. Tap the “Internet Connection” tab on the iZiggi-HD settings page (see Pages 8 for accessing settings).
3. Under “Wireless Connection,” select “On.” [If a wired connection is preferred, select “Off (Ethernet Cable)” and plug an ethernet cable (not included) into the LAN port.]

Internet Connection

Wireless Connection: ☒ On ☐ Off (Ethernet Cable)

Status : Connected to IPEVO

Select an Internet-enabled network from the following list to connect your IPEVO WS-01 to the internet :

Network	Signal Strength	
Network name	100	b/g/n
Network name	100	b/g/n
Network name	100	b/g/n
Network name	100	b/g/n
Network name	100	b/g/n
Network name	100	b/g/n

Refresh Network List

Selected Network:

4. A list of available Wi-Fi networks will appear. Select your network.
5. Enter the password for your network and click OK. The password is case sensitive.
6. A pop-up window will appear. Please click “Restart” to restart iZiggi-HD and complete the process, or click “Later” to manually restart iZiggi-HD later. iZiggi-HD will connect to your network within 100 seconds. Your device is now connected to the Internet through iZiggi-HD.

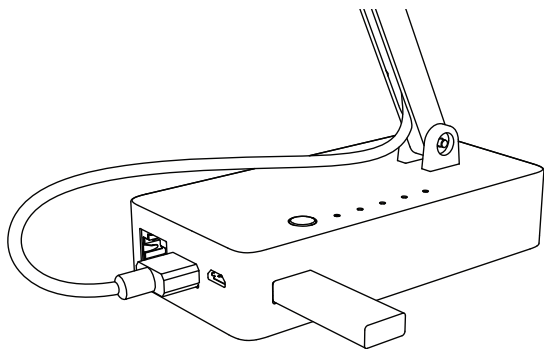
Please note:

If you are not returned to the iZiggi-HD settings page after the 100 second countdown, please reconnect your device to iZiggi-HD by going to Settings > Wi-Fi > iZiggi_xxxx (with “xxxx” being the unique SSID).

iZiggi-HD is unable to determine if your password is correct or if you have successfully connected to your network. If you are unable to access the Internet after restart, please check if the password is entered correctly and try again. The password is case sensitive.

iZiggi-HD only supports a Wi-Fi network at 2.4GHz. 5GHz Wi-Fi is not supported.

Save images on Whiteboard App to your USB Drive



iZiggi-HD's two USB ports allow you to connect an USB storage while viewing the Live View wirelessly on iPad. Using the snapshot function , you can save the drawing and annotation on IPEVO Whiteboard to the USB storage connected on iZiggi-HD.

Follow these steps to save images to USB storage:

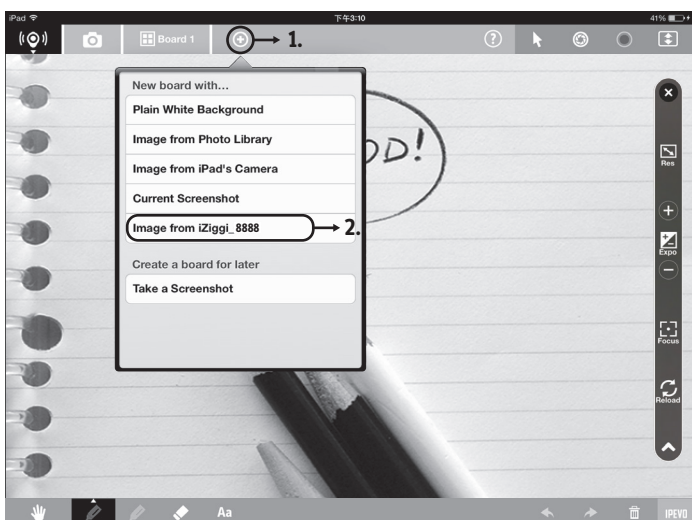
1. Tap  on IPEVO Whiteboard.
2. Select "iZiggi_XXXX" under "Sent to external storage"
3. "Upload completed" will pop up once the image is successfully saved.



On IPEVO Whiteboard, you can also import images from your USB storage connected to iZiggi-HD for presentation.

Follow these steps to import images from USB storage:

1. Tap the  icon on IPEVO Whiteboard.
2. Select image from iZiggi_XXXX
3. Select the USB storage and locate your image.
4. Tap the + icon on top right hand corner.

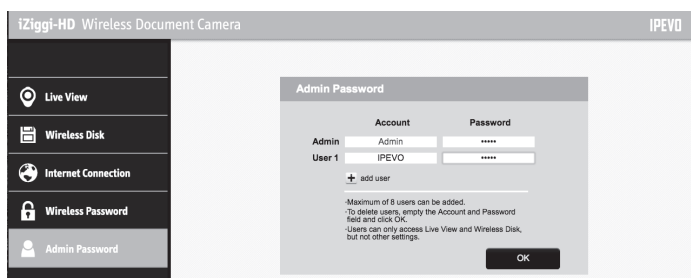


Customizing Login Information

You can set a new password for accessing the settings page. You can also add an additional 8 guest users to iZiggi-HD. Guest users will have access to connected USB storage drives (if any) and Live View, but will not have access to Internet Connection, Admin Password, Wireless Password, or Advanced Settings.

1. To set your Admin Password, access the iZiggi-HD Settings page (see Page 8).
2. Select Admin Password. The Admin account name cannot be changed, but the password can be changed and guest names and passwords can be added and deleted.

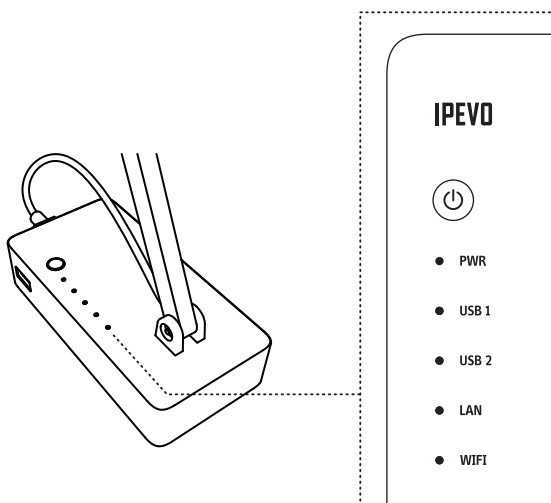
Note: To delete guest users, empty the Account and Password fields for that user and click OK.



Understanding the LED indicators

iZiggi-HD has 5 LED indicators on the top of its base. Different colors (solid and blinking) indicate various states.

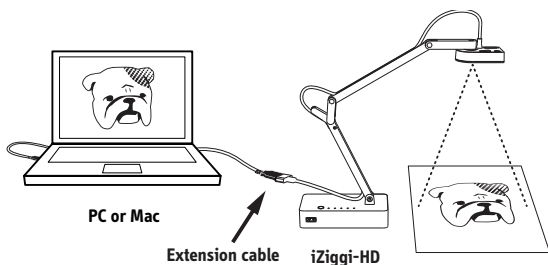
1. PWR – Power and battery level
Green: iZiggi-HD is powered on and the battery is charged. A green light also tells you that charging is complete.
Orange: iZiggi-HD is powered on and the battery is charging.
Blinking Orange: iZiggi-HD is powered on but the battery is running low. You should connect the power adapter immediately.
Red: iZiggi-HD is powered off and charging.
2. USB 1 and USB 2 – Corresponds to the two USB ports on iZiggi-HD's base. If a USB device is connected, such as iZiggi-HD's camera or a storage drive, the appropriate LED will turn green. Once the device is removed, the LED will turn off.
3. LAN – Indicates an ethernet cable (wired) connection. The LAN LED turns green when an ethernet cable is connected and turns off once the cable is removed.
4. WIFI – Indicates current Wi-Fi (wireless) status
Orange to Green: The system is starting up. Please allow time for the connection to resolve.
Blinking Orange: The system is shutting down.
Green: Wi-Fi is ready.
Blinking Green: Wi-Fi data is transferring.



Using iZiggi-HD Directly on Your Computer

In addition to connecting iZiggi-HD's camera to its base for Wi-Fi applications, you can also connect the camera directly to your computer's USB port. The live image can be viewed and presented with IPEVO Presenter software in this way.

1. You can connect iZiggi-HD Camera's USB cord directly to your computer to use it as an USB camera. Included extension cable provides extra length if needed.
2. Launch the IPEVO Presenter software. A screen containing a live video image from your iZiggi-HD should appear. The iZiggi-HD is now ready to use.

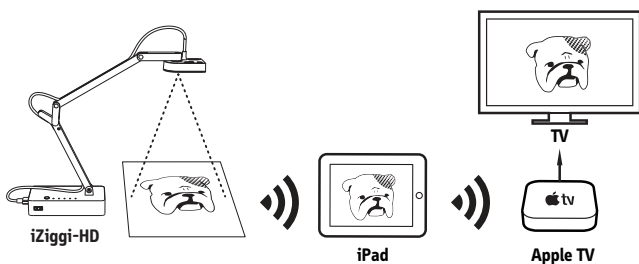


Using Apple TV Airplay

You can use iPad and Apple TV Airplay to wirelessly project live action (real-time video and annotation) from IPEVO Whiteboard onto the big screen.

Follow these steps to project live action from iZiggi-HD using Apple TV Airplay:

1. Connect your Apple TV device to iZiggi-HD. Navigate to Settings > Wi-Fi.
2. A list of available wireless networks will appear. Select iZiggi-HD's network and enter the password if required.



3. Turn on the Airplay mode in Apple TV.
4. Swipe up from the bottom of your screen to access Control Center. Tap AirPlay.
Note: Airplay is only available when both iPad and Apple TV are connected to iZiggi-HD.
5. Turn on the Mirror switch to enable Mirror mode.
6. Launch IPEVO Whiteboard on your iPad. Now Apple TV, iZiggi-HD, and your iPad are communicating. Changes you make in Whiteboard will be reflected on Apple TV and its screen.

- **What can I do if I forgot my SSID or admin password?**

You can reset the SSID and password by resetting iZiggi-HD to its default settings. To do so, press the reset button with a pin or paper clip. The “WIFI” LED will blink orange, indicating iZiggi-HD is resetting. Reset is complete once the “WIFI” LED turns green. You can then connect and log in to iZiggi-HD using the default information. The default SSID and password can be found on the label at the bottom of iZiggi-HD.

- **Can I view iZiggi-HD over Wi-Fi with multiple devices?**

Due to bandwidth and system limitations, we recommend using only one device at a time to display iZiggi-HD’s Live View. Using 2 or more devices displaying iZiggi-HD Live View may result in laggy or frozen video due to insufficient bandwidth or system resources.

- **I am looking for more advanced Internet settings. Where can I find that on iZiggi-HD?**

Access the iZiggi-HD settings page (refer to Pages 8). You can find the Advanced Settings in the lower left-hand corner. These settings include additional Internet settings for iZiggi-HD.

- **I need to use static IP for all devices on my network. What do I do?**

Follow the steps on Pages 8 to access your iZiggi-HD settings. Select “Advanced Settings.” From there, go to Wired Network Setting > Mode > Fixed IP Address.

Enter the IP Address, Subnet Mask, Default Gateway and other settings in their respective fields, and click OK.

- **How long does it take to fully charge iZiggi-HD? How long can I use iZiggi-HD if it is not fully charged?**

If iZiggi-HD’s battery is depleted, it takes about 3 hours to fully recharge iZiggi-HD. For the battery life of iZiggi-HD under different states please refer to the chart below.

Charging Time	Usage Time Remaining
1hr	1hr
2hr	2hr

- **Can I watch Live View of iZiggi-HD through an internet browser?**

Yes, you can. But different browsers process the Live View of iZiggi-HD differently and may result in various compatibility issues. It is recommended to use Live View on IPEVO Presenter or IPEVO Whiteboard for the best Live View experience.

- **Can I connect two USB document cameras to iZiggi-HD base and use them both at the same time?**

No, iZiggi-HD can only be connected to one USB Document Camera at a time. Connecting both USB ports to USB Cameras will cause system error, nor would Live View work.

Troubleshooting

- **I am not able to see a live image from iZiggi-HD on IPEVO Whiteboard or Presenter.**
 - Make sure the camera is connected to the USB port of iZiggi-HD's base.
 - Make sure your device is connected to iZiggi-HD via Wi-Fi. Follow the steps starting on Page 5.
 - Shut down the device and restart.
 - Unplug the camera and then reconnect its USB cable to the base.
 - Please check if the WiFi icon appears on the top left corner of iPad. When it does, exit and re-launch IPEVO Whiteboard.
- **I cannot connect to iZiggi-HD.**
 - Use a pin or paper clip to press the Reset button on iZiggi-HD to reset the device. Try connecting again after the reset.
 - If a reset does not resolve the problem, please contact IPEVO customer service.
- **I am unable to connect iZiggi-HD to my existing network.**
 - Please ensure the password you're entering is the correct one.
 - Contact your Internet administrator for assistance.
- **iZiggi-HD cannot find my Wi-Fi network.**
 - Go to the Internet Connection page (see Page 9) and click the "Refresh Network List" button. See if your network name appears.
 - Shut down the device and restart. Search for your network after restarting.
 - Make sure your Wi-Fi router is set to 2.4GHz. iZiggi-HD does not support Wi-Fi on 5GHz.
- **The Live View of iZiggi-HD is unstable, laggy, or choppy.**
 - Make sure your device is within the effective range of iZiggi-HD. Your device should stay within 10m (33ft) of iZiggi-HD.
 - Check to see if multiple devices are viewing iZiggi-HD. If so, please have only one device using the Live View of iZiggi-HD. Or, consider lowering the resolution setting.
 - Restart iZiggi-HD and check the Live View again.
- **iZiggi-HD does not turn off.**
 - Please press and hold the power button for 5 seconds to force a shutdown of iZiggi-HD.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Model: iZiggi-HD/FCC ID: WKP-CDVW-01IP

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

© 2014 IPEVO inc. All rights reserved. IPEVO, iZiggi-HD, the IPEVO logo and other IPEVO marks are owned by IPEVO inc. and may be registered. All other trademarks are the property of their respective owners.